

National Laboratory Training Network Self-Study Module

Advanced Microbiology Specimen Collection and Culture Workup

CD-ROM

Description

The quality of results from a microbiology laboratory is dependent not only on the technique and interpretation of the medical technologist, but is dependent on the complete testing process, including pre-analytical, analytical and post-analytical processes. The pre-analytical component of the workup process is a critical component to quality test results; the viability of organisms retrieved from a specimen can be dependent on the collection and transport of a specimen to the laboratory. Once in the laboratory, the analytical processes performed on the specimen help to provide quality results to the physician. This CD-ROM will address the importance of the pre-analytical and analytical process for the microbiology laboratory. Part 1 emphasizes collection, processing and algorithms of blood cultures, cerebrospinal fluid (CSF), other sterile fluids, and urine specimens, while Part 2 emphasizes wound, stool, respiratory, and genitourinary specimens.



Faculty

Karen C. Carroll, M.D.

Dr. Carroll is an Associate Professor of Pathology and Medicine at the Johns Hopkins University School of Medicine and the Director of the Microbiology Laboratory for the Johns Hopkins Hospital. Her background is in Infectious Diseases and Diagnostic Microbiology.

Punam Verma, PhD, MT(ASCP)

Dr. Verma is an Assistant Professor in the Department of Pathology at Rush Medical College and the Assistant Director of Clinical Microbiology at Rush University Medical Center. She is an ASCP certified medical technologist.

Objectives

At the conclusion of the program, participants will be able to:

Part 1

- Review collection and transport procedures for blood, urine, CSF, and other sterile fluid specimens submitted for microbiological culture.
- Summarize appropriate algorithms for culture workup of blood, urine, CSF, and other sterile fluid specimens.
- Correlate culture types with clinical relevance.

Part 2

- Review collection and transport procedures for wound, stool, respiratory, and genitourinary specimens submitted for microbiological culture.
- Summarize appropriate algorithms for culture workup of wound, stool, respiratory, and genitourinary specimens submitted for microbiology culture.
- Discuss the importance of the clinician-laboratorian interface.

Continuing Education

CDC has been reviewed and approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET). CDC has awarded 0.3 CEUs to participants who successfully complete this program.

Cost \$35.00 (payable to the APhL)

To obtain a CD-ROM log on, <http://www.nltcn.org/courses> and select Course # 091-06 from the list. If you have any questions, please e-mail mwoffice@nltcn.org.



The National Laboratory Training Network is a training system sponsored by the Association of Public Health Laboratories (APHL) and Centers for Disease Control and Prevention (CDC).

<http://www.nltcn.org>